

Clean Boating Tip Sheet

Environmentally Friendly 2-Cycle Outboard/Motor Winterizing

The following information is only to be used as a guide. A professional can winterize your boat, but if you want to tackle it yourself, winterize your engine according to the manufacturers instructions. Here are a few additional environmentally sound suggestions not found in your owners manual .

- When you spray engine tuner through the motor, a black tar like substance will ooze out of every exhaust port on the motor and lower unit (some I bet you did not know you had). This black tar is mostly carbon from build up that takes place in two cycle engines during the combustion of gas/oil mixtures. To a smaller extent, solvents (tuner) and oils are also mixed in. Please do not conduct this procedure when your boat is on the water. This tar will be discharged directly into

our lakes, rivers and bays. Please, conduct these procedures onshore with a lower unit garden hose hookup (water ears).

- The same holds true for winterizing fogger. Fogger is a petroleum based compound that coats the rings, pistons and cylinder walls to protect them from corrosion when your boat is in storage. During the fogging procedure, a portion of this petroleum exits the exhaust ports. Please do not conduct this procedure when your boat is on the water. This petroleum will be discharged directly into our lakes, rivers and bays. Please, conduct these procedures onshore with a lower unit garden hose hookup (water ears).
- Drain the oil from the lower unit. Collect the Used Oil in a spill proof container for Recycling at a

Delaware Solid Waste Authority Recycling Center. To find one near you, call 1-800-404-7080.

- Collect all oily paper towels and rags, place in a sealed plastic bag and dispose in your trash.
- Fill the fuel tank(s) with fuel and add the proper amount of fuel stabilizer to the gasoline. The stabilizer will prevent fuel decomposition and varnish from building up in the fuel system. Full fuel tanks prevent condensation from forming on the inside of the tanks. Come spring...you will have good gas...rather than a waste to dispose of.
- Use a biodegradable soap that does not contain phosphates or chlorine.
- Scrub and rinse your boat frequently with a brush but no soap to minimize the need to clean with chemicals.

- Use onshore facilities to wash your boat whenever possible.

Boaters are drawn to the water by nature's glory. They want to feel the sea rolling beneath them and the crisp air against their skin. They want to see fish swimming and birds diving. They want to be able to swim and crab without health concerns. They want to test their mettle against a rising wind and to sit tranquilly at twilight. Ironically, it is the enjoyment of these natural wonders that may lead to their decline. Please, do your part in protecting them.

Recycle That Oil

The "Recycle Delaware" Program is a voluntary source-separation recycling program. The first RECYCLE DELAWARE Center was placed at the Southern Solid Waste Management Center in 1990. The program has grown to over 144 brightly-colored centers throughout the State. Most centers are located within a five-mile radius of most households so residents can easily drop off recyclables on the way to work or shopping.

Used Motor Oil

(White Containers)
Specified Locations Only

What: Used motor oil, hydraulic or diesel oil.

Preparation: Pour in drain of oil container. Dispose of oil container in regular trash.

Not Accepted: Gasoline or gas and oil mixture, anti-freeze, paint thinners or solvents.

Used Oil Filters

(Grey Containers) *Same Locations as Motor Oil*

What: Used car, truck and inboard/outboard oil filters.

Preparation: None.

Not Accepted: Other steel products

For additional information on the Recycle Delaware Program, or to find a location near you, contact the Delaware Solid Waste Authority at 1-800-404-7080 or WWW.DSWA.COM.



For information about the Delaware Clean Marina Program, contact Delaware Sea Grant at (302) 645-4268, or dchapman@udel.edu